

tested for HIV in the past 12 months and 4% ever been tested for HIV, 50.25% reported using a condom at last transactional sex.

Conclusion The prevalence of syphilis was high among female sex workers and majority of them were treated for syphilis. Achieving good treatment coverage therefore will help not only to reduce syphilis incidence but also HIV disease burden in the high risk population and general population since the relationship between syphilis and HIV is well established. This study has shown syphilis continues to be highly prevalent among female sex workers and targeted intervention programs need to focus on curable STI like syphilis.

P3.177 IDENTIFICATION OF SUPEROXOL NEGATIVE *NEISSERIA GONORRHOEA* ISOLATES OVER 25 YEARS IN ARGENTINA

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Introduction Isolation of Neisserias and other related microorganisms from genital and extra genital sites require the identification of clinically important isolates and represent a challenge in low-complexity clinical microbiology laboratories. A presumptive *Neisseria gonorrhoeae* (Ng) identification includes the Superoxol test (Spx) among others. Ng produces levels of catalase activity that are stronger than others *Neisseria spp.* Spx is a simple and inexpensive test that uses 30% hydrogen peroxide as a reagent. Superoxol reaction with Ng is typically "explosive" compared to weaker reactions of other species. The objective is to report the finding of *N. gonorrhoeae* superoxol test negative over 25 years in Argentina.

Methods We studied 8047 isolates derived from the GASPP-AR for susceptibility studies between 1990 and 2015. Presumptive identification of isolates was made on the colonies that developed in selective medium. All isolates were confirmed by carbohydrate utilisation and/or coagglutination with monoclonal antibodies and/or mass spectrophotometry (Bruker Daltonik). For Spx a positive result was defined as abundant production of bubbles occurring within two to three seconds of starting emulsification. A negative reaction was defined by weak or delayed bubbling after three seconds. Pulsed field gel electrophoresis (PFGE) was carried out using NheI enzyme.

Results Out of the total isolates studied, 99.9% (8038/8047) showed a positive Spx, however 9 isolates were Spx negative. These isolates came from 5 different regions of the country and have been appearing since 2010. They were characterised as serogroup WII/III with 3 different susceptibility patterns corresponding to three different non-related PFGE profiles.

Conclusion This work confirms the reliability of the Spx for the presumptive identification of Ng. Since several clinical laboratories in developing countries use only presumptive tests for Ng identification, is important to alert about these atypical isolates circulating in our country. It is important to be aware of using complementary tests for identification.

P3.178 SYPHILIS IN PREGNANT WOMEN AND ELIMINATION OF CONGENITAL SYPHILIS IN BELARUS

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Introduction In Belarus the spread of syphilis (S) has been on the increase since 1988, and the incidence reached its peak in 1996 with 209.7 cases per 100 000 inhabitants. During the following years the incidence has reduced with 7.2 cases in 2015. In the years 1996–2012 all together 5147 pregnant women infected with S were registered in Belarus (8.49% from the general number of the women with S for this period – 60 604 cases). The aim of the present study is to report on pregnant women infected with C and on elimination of congenital syphilis (CS) in Belarus.

Methods The study was retrospective. The data were obtained from the patients' files from the Dermatovenereological Dispensary in the city of Minsk, the state capital of Belarus, and regional Dermatovenereological Dispensaries of Belarus.

Results Primary S was diagnosed in 13.1% of pregnant women with S, secondary S – 30.2%, latent early S – 55.8%, latent late S – 0.9%. Disease has been revealed in I trimester of pregnancy in 57.1% of patients, II trimester – 23.1%, III trimester – 17.2%, after delivery – 2.6%. 43.7% of women have made abortion after disease revealing. Among women giving birth to children with CS primary S was not diagnosed, secondary S – 26.7%, latent early S – 71.4%, seroresistant S – 1.9%. Reinfection was registered in 8.5% of patients. There are 127 children with CS registered in 1994–2015 in Belarus in total. Early CS with symptoms has been revealed in 24 (18.9%), early latent CS – in 103 (81.1%) of children. Cases of late CS have not been registered. 2 cases of CS have been registered in 1994, 1995–12, 1996–13, 1997–14, 1998–23, 1999–18, 2000–6, 2001–8, 2002–7, 2003–8, 2004–5, 2005–1, 2006–4, 2007–1, 2008–2, 2009–1, 2010–2 cases. Last five years cases of CS have not been registered in Belarus.

Conclusion Belarus has adequate system of control of S in pregnant women. In 2016 WHO certified the validation of elimination of CS as a public health problem in Belarus.

P3.179 OBSTETRICAL ASSISTANCE ON HIV-POSITIVE PREGNANCIES MAY REDUCE VERTICAL TRANSMISSION

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Introduction Assess seropositivity of HIV infection among pregnant women overseen by Hospital de Clínicas from Universidade Federal do Triângulo Mineiro (HC-UFTM). Describe their demographical and epidemiological profile, obstetrical and newborn data.

Methods Survey through the records of pregnant women from HC-UFTM spanning from 2013 to 2016, followed by medical record review and administration of a structured questionnaire on epidemiological, obstetrical and neonatal aspects from HIV-positive pregnancies.

Results From January 2013 to November 2016, there were 69 births from HIV-positive women. On demography, the maternal age varied from 16 to 40 years, with 26.8 years average; the majority, 53.6% were in common-law marriages and 59.42